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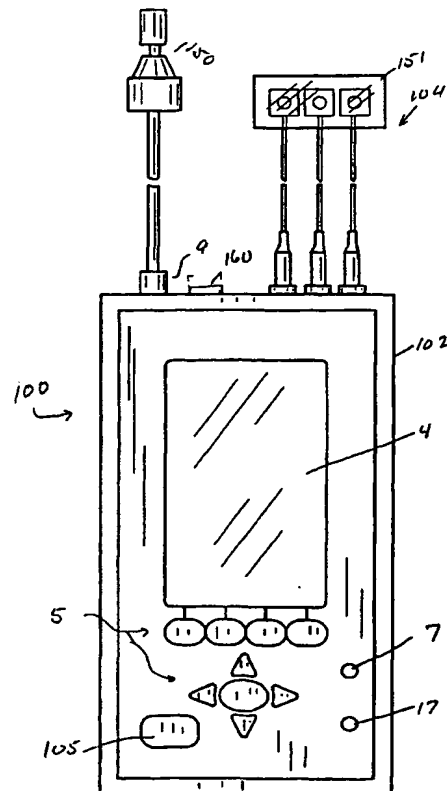
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(54) Title: HANDHELD AUDIOMETRIC DEVICE AND METHOD OF TESTING HEARING

(57) Abstract

Handheld apparatus (100), and method for comprehensive hearing testing with pass/refer results applicable for large scale neonatal screening, adult screening, or full hearing diagnostic is disclosed. The apparatus (100) contains a signal processor (1), integral ear probe (150), and remote ear, and scalp probes (104) all packaged as a single handheld battery operated device (100). The apparatus (100) preferably performs a battery of tests, either independently or combined: oto-acoustic measurements utilizing a novel digital signal processing method for evoked oto-acoustic signal processing, auditory brain stem response test, tympanometry, and oto-reflectance. Algorithms for automatic test sequence, and pass/refer indication for the tests are provided.



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